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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/846,266	05/02/2001	Muneomi Katayama	TESJ.0029	6117

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EXAMINER

SAADAT, CAMERON

ART UNIT	PAPER NUMBER
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3713

DATE MAILED: 02/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/846,266

Applicant(s)

KATAYAMA, MUNEOMI

Examiner

Cameron Saadat

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 December 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12/30/2004</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/24/2004 has been entered. Claims 1-22 are pending in this application.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1-16, and 21-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ahlgren (USPN 6,293,802 B1) in view of Crook et al. (USPN 6,705,942; hereinafter Crook).

Regarding claim 1, Ahlgren discloses a body movement training method comprising: storing lessons comprising images of at least one trainer in a server 112 (Col. 6, lines 21-28; Col. 15, lines 5-10); providing mobile image communication (Col. 22, lines 50-56) between a trainee and a server (See Fig. 1, refs. 104 and 112); taking at least one image of the trainee at a training or sport site 104; searching the server for a lesson comprising at least one of the images of the trainer with a corresponding movement to

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the image of the trainee based upon a request of the trainee sent via capture/playback station 104 (Col. 10, lines 5-12) to the server 112 (Col. 12, lines 30-34); sending the searched lessons that comprise images of the trainer (Col 7, lines 15-37) to the capture/playback station 104; displaying side by side the searched image of the trainer and the image of the trainee on capture/playback station 104. (Col. 15, lines 5-18), wherein the image communication terminal is implemented by a public mobile network system, and Internet (Col. 22, lines 50-56). Ahlgren further discloses that the training method may be implemented on a computer system 1624 allowing software and data to be transferred to external devices 1602 via a *cellular phone communication terminal* (Col. 22, lines 50-56). Ahlgren does not explicitly disclose that a user may request image data from a *portable* device. However, Crook discloses a system for providing golf instruction over a public mobile network to hand-held apparatus 910a, wherein a golfer may request golf training data from a server 930a (Col. 18, lines 36-47); wherein the system captures and display's a golfer's swing data for comparison with a professional's swing data on the hand-held device 910a (Col. 25, lines 2-14); wherein the hand-held device communicates with a server (Internet) via radio frequency communication (Col. 25, lines 15-21). Hence, in view of Crook, it would have been obvious to an artisan to modify the computing system described in Ahlgren by allowing a user to request training image data from a *portable* device, in order to allow a user to carry a training device in a circumstance where a golf course restricts movement of larger training devices (See Crook, Col. 17, lines 40-45).

In addition, the fact that a claimed device is *portable* or movable is not sufficient by itself to patentably distinguish over an otherwise old device unless there are new or unexpected results. In re Lindberg, 194 F.2d 732, 93 USPQ 23 (CCPA 1952)

Regarding claim 2, Ahlgren discloses a body movement training method, wherein the images are displayed side-by-side on the same screen of the mobile image communication terminal without being overlapped for comparison and training (column 15, lines 5-18).

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Regarding claims 3 and 4, Ahlgren discloses a body movement training method further comprising sending an image of the trainee to the server for storing (Col. 6, lines 21-26);

searching for and requesting a lesson plans (Col. 12, lines 30-34) that comprise images of a trainee (Col 7, lines 15-37) to be compared and examined for difference between actions.

Regarding claims 5-8, Ahlgren discloses a body movement training method wherein one of the images of the trainer and the trainee comprises a set of moving frames, and the other of the images is a still image (column 15, lines 7-10).

Regarding claims 9-16 and 22, Ahlgren discloses a body movement training method wherein the images of the trainee and of the trainer are taken at substantially the same place (Col 3, lines 20-30).

Regarding claim 20, Ahlgren discloses a body movement training method wherein the displaying stem includes displaying at least one of letters and symbols requested by the trainer to make a training point (Col. 14, lines 61-67).

Regarding claim 21, Ahlgren discloses a body movement training method wherein the images of the trainee are taken at different places (Col 15, lines 24-29).

Claims 17-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ahlgren (USPN 6,293,802 B1) in view of Crook et al. (USPN 6,705,942; hereinafter Crook), further in view of Katayama (USPN 5,857,855)

Regarding claim 17, the combination of Ahlgren and Crook discloses all of the claimed subject matter with the exception of explicitly disclosing that the image of the trainee before a training session is compared to an image of the trainee after a training session. However, Katayama teaches a method of teaching body motions wherein a pre-training image is placed side-by-side with a post-training image of the trainee (Col. 5, line 63 – Col 6, line 9). It would have been obvious to a person of ordinary skill in the art to modify the improvement analysis method described in the combination of Ahlgren and Crook, by providing side-by-side pre and post training images, in light of the teachings of Katayama in order to

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determine how much improvement has taken place or how much and what type of improvement is needed in the training process.

Regarding claims 18 and 19, the combination of Ahlgren and Crook discloses all of the claimed subject matter with the exception of explicitly disclosing displaying a grid (as per claim 18) with an image of a trainee or providing lines as moving body parts (as per claim 19). However, Katayama teaches a method of teaching body motions wherein a grid and reference lines are utilized when analyzing images (See Fig. 9a-c; 10a-d). It would have been obvious to an artisan to modify the image analysis methods described in Ahlgren and Crook, by providing grids and lines during image analysis, in light of the teachings of Katayama in order to provide reference points and linear diagrams to help the trainee understand correct body movement.

Response to Arguments

Applicant's arguments filed 12/30/04 have been fully considered but they are not persuasive. Applicant emphasizes that Crook does not teach the feature of providing mobile image communication via a *public* mobile network system. The examiner respectfully disagrees. Both Ahlgren and Crook disclose the feature of transmitting and receiving signals via a *public* network system. Ahlgren discloses the feature of implementing various communication mediums, including a phone line, a cellular phone link, RF link, and Internet (See Ahlgren, Col. 22, lines 40-56). Crook additionally teaches a portable device (910) that transmits and receives sport-training data via Internet (See Fig. 21; Col. 25, lines 15-21).

Applicant also makes an assertion that neither Ahlgren nor Crook disclose the feature of searching a server for an image of a trainer *based upon a request of the trainee* sent from a portable mobile phone communication terminal. The examiner respectfully disagrees. Ahlgren discloses the feature of searching a server for a particular lesson, and providing options for choosing specific instructor and lesson type (Col. 10, lines 5-12; Col. 12, lines 30-34), and wherein the lessons comprise various images of trainers (Col. 7, lines 15-37). Ahlgren does not explicitly disclose that the trainee's request is

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sent from a portable device. However, Crook discloses a portable device 910 that allows a trainee to request sport training data via Internet (Col. 19, lines 55-57). Hence, the combination of Ahlgren and Crook discloses all of the claimed subject matter.

It is additionally emphasized by applicant that Crook's system does not show a golfer's swing *side-by-side* with a professional's swing. It is noted that the examiner has not entirely relied upon the Crook reference for this claimed feature. The examiner maintains the position that Ahlgren discloses the feature of displaying a golfer's swing side-by-side with a professional's swing on a display for comparison and training (column 15, lines 5-18). Ahlgren does not explicitly disclose the feature of implementing this comparison of training data on a *portable* device. However, Crook teaches a portable device that enables a golfer to access the Internet to view specific information about their golf game and further allows for comparison of a trainee's swing mechanics with a professional's swing mechanics (Col. 25, lines 5-9). Thus, in view of Crook, an artisan would be motivated to modify Ahlgren's side-by-side comparison training method, by providing side-by-side comparison on a *portable* device in order to allow a user to carry a training device in a circumstance where a golf course restricts movement of larger training devices (See Crook, Col. 17, lines 40-45).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- Reeves (US Patent Application Publication 2004/0073325 A1) – discloses a portable golf aid device via cellular telephone connection.
- Fargano (USPN 6,257,896 B1) – discloses a method of providing instruction to a cellular telephone.
- Hall et al. (USPN 6,767,211 B2) – disclose a method of providing instruction to a cellular telephone.

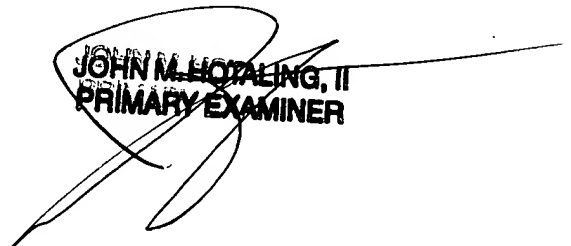
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cameron Saadat whose telephone number is (571) 272-4443. The examiner can normally be reached on M-F 9:00 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Xuan Thai can be reached on (571) 272-7147. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CS


JOHN M. HOTELLING, II
PRIMARY EXAMINER